Please amend the Application as follows.

## **AMENDMENTS TO THE CLAIMS:**

The present listing of claims replaces all prior versions, and listings of claims in the application.

- 1. (Original) A method of dyeing a plastic article comprising:
- (a) providing a plastic article comprising at least one polymer selected from thermoplastic polymer and thermoset polymer;
- (b) immersing at least a portion of said plastic article in a dye bath comprising,
  - (i) at least one dye,
  - (ii) water,
  - (iii) at least one carrier represented by the following general formula I,

## R-O-(CH<sub>2</sub>)<sub>n</sub>-OH

- wherein R is a radical selected from linear or branched C<sub>1</sub>-C<sub>18</sub> alkyl, benzyl, benzoyl and phenyl, and n is 2 or 3, and
- (iv) a diol selected from at least one of linear or branched C<sub>2</sub>-C<sub>20</sub> aliphatic diols, poly(C<sub>2</sub>-C<sub>4</sub> alkylene glycol), cycloaliphatic diols having from 5 to 8 carbon atoms in the cyclic ring, monocyclic aromatic diols, bisphenols and hydrogenated bisphenols;
- (c) retaining said portion of said plastic article in said bath for a period of time at least sufficient to form a dyed plastic article; and
- (d) removing said dyed plastic article from said bath.
- 2. (Original) The method of Claim 1 wherein said plastic article comprises a polymer selected from at least one of (co)polyesters, (co)polycarbonates, polyesterpolycarbonate copolymers, acrylonitrile-butadiene-styrene copolymers, polyamides, polyurethanes, polyalkyl(meth)acrylate and styrene copolymers.

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- 3. (Original) The method of Claim 1 wherein said dye bath comprises, 0.001 to 0.5 percent by weight of said dye,
- 65 to 75 percent by weight of water,
- 15 to 25 percent by weight of said carrier, and
- 1 to 15 percent by weight of said diol, the percent weights being based on the total weight of said dye bath in each case.
- 4. (Original) The method of Claim 1 wherein said dye bath is maintained at a temperature of 25 to 99°C.
- 5. (Original) The method of Claim 1 wherein R is selected from linear or branched  $C_1$ - $C_{18}$  alkyl, and n is 2:
- 6. (Original) The method of Claim 5 wherein R is selected from n-butyl, i-butyl and t-butyl.
- 7. (Original) The method of Claim 1 wherein said dye bath further comprises a surfactant selected from at least one of: anionic surfactants; amphoteric surfactants; and a non-ionic surfactant selected from at least one of poly( $C_2$ - $C_4$  alkoxylated)  $C_{14}$ - $C_{18}$  unsaturated fatty acids, poly( $C_2$ - $C_4$  alkoxylated) phenol and poly( $C_2$ - $C_4$  alkoxylated)  $C_1$ - $C_9$  alkyl substituted phenol.
- 8. (Original) The method of Claim 7 wherein said surfactant is present in an amount of from 1 to 15 percent by weight, based on the total weight of the dye bath
- 9. (Original) The method of Claim 1 wherein said diol is a poly(C<sub>2</sub>-C<sub>4</sub> alkylene glycol) selected from diethylene glycol, triethylene glycol, tetraethylene glycol, pentaethylene glycol and mixtures thereof.
  - 10. (Original) The method of Claim 9 wherein said diol is diethylene glycol.

- 11. (Original) The method of Claim 1 wherein said dye is selected from static dyes, photochromic dyes and combinations thereof.
- 12. (Original) The method of Claim 11 wherein said dye is a water-insoluble static dye selected from the group consisting of azo dyes, diphenylamine dyes and anthraquinone dyes.
- 13. (Original) The method of Claim 11 wherein said dye is a static dye, and said static dye is selected from the group consisting of disperse dyes, non-migratory static dyes and combinations thereof.
- 14. (Original) The method of Claim 11 wherein said photochromic dye is selected from at least one of spiro(indoline)naphthoxazines, spiro(indoline)benoxazines, benzopyrans, naphthopyrans, organo-metal dithizonates, fulgides and fulgimides.
- 15. (Original) The method of Claim 1 wherein said dye bath further comprises at least one of, UV stabilizers, optical brighteners, mold release agents, antistatic agents, thermal stabilizers, IR absorbers and antimicrobial agents.
- 16. (Original) The method of Claim 1 wherein said plastic article comprises at least one of pigments, crosslinked polymethylmethacrylate microspheres, glass microspheres and metal flakes.
- 17. (Original) The method of Claim 1 wherein said plastic article comprises a thermoplastic polycarbonate selected from at least one of thermoplastic aromatic polycarbonates and thermoplastic aliphatic polycarbonates.
- 18. (Original) The method of Claim 1 wherein said plastic article is a molded article comprising a thermoset polycarbonate.

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- 19. (Original) The method of Claim 18 wherein said thermoset polycarbonate is a polymerizate of a polymerizable composition comprising polyol(ally carbonate) monomers.
- 20. (Original) The method of Claim 1 wherein said plastic article is a molded article selected from shaped articles, films and sheets.
- 21. (Original) The method of Claim 20 wherein said molded article is a shaped article selected from optical lenses, ophthalmic lenses, sunshade lenses, face shields and glazings.
- 22. (Original) The method of Claim 1 wherein said plastic article is selected from thermoplastic pellets and thermoplastic strands.
- 23. (Original) The method of Claim 22 further comprising,
  melting at least one of said dyed thermoplastic pellets and said dyed
  thermoplastic strands to form a dyed molten thermoplastic composition, and
  introducing said dyed molten thermoplastic composition into a mold,
  thereby forming a dyed shaped molded article.
  - 24. (Original) The method of Claim 1 further comprising:
  - (i) contacting said dye bath with particulate activated carbon to form a mixture of said dye bath and particulate activated carbon;
    - (ii) isolating from said mixture a dye-free liquid comprising water, said carrier and said diol; and
    - (iii) optionally adding at least one dye to said dye-free liquid, thereby forming a further dye bath.
- 25. (Original) The method of Claim 1 further comprising: forming said dye bath by,
  - (i) preparing a mixture of water, said carrier and said diol,
  - (ii) introducing said dye into a filter, and

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- (iii) passing said mixture over said dye and through said filter, thereby forming said dye bath; and passing continuously said dye bath through said filter.
- 26. (Original) The method of Claim 1 further comprising, introducing continuously said dye bath into an immersion tank through a plate having a plurality of perforations.
- 27. (Original) The method of Claim 1 further comprising contacting at least a portion of the surface of the dyed plastic article removed from said dye bath with a rinse composition comprising water, and optionally at least one of said carrier (iii) and said diol (iv).